

Green Roof in Grass Lawn Park

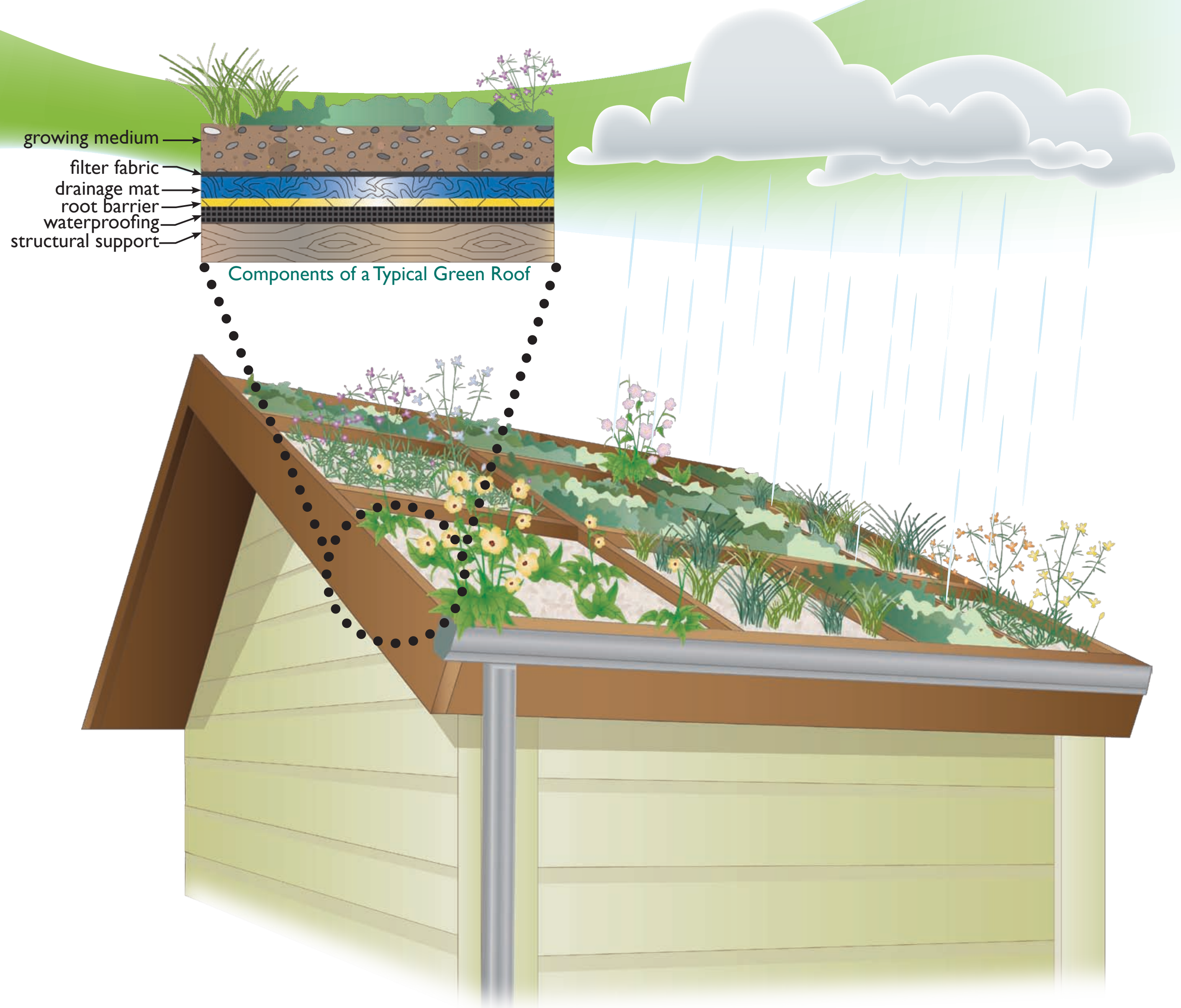
WHY ARE THERE PLANTS ON THE BUILDING?

Have you seen the plants on the roof of the maintenance building? These plants are part of a green roof system designed to capture rainfall and reduce runoff. The planting contains a combination of grasses, succulents, and groundcovers that are able to survive in full sun and live off of rainwater.

Green roofs benefit both people and the natural environment by:

- **Protecting Our Climate** by helping to maintain the water cycle and by reducing greenhouse gases. As plants grow, they help steady our climate by taking up and releasing water into the atmosphere (a process called evapotranspiration), and by taking up and storing the greenhouse gas, carbon dioxide. By simply providing a new place in developed areas where plants can grow, green roofs have the potential to help maintain and steady our climate.
- **Reducing Stormwater Runoff** during storm events. This helps protect streams from excessive stormwater runoff that can cause bank erosion.
- **Maintaining Consistent Temperatures** in the environment and in buildings. Green roofs are much better insulators than hard, non-reflective surfaces, keeping buildings warmer in the winter. Plants and soil that absorb sunlight also keep buildings cooler in the summer. Green roofs can keep external temperatures cooler in highly developed areas.

For more information, visit www.redmond.gov



Much more of the rainwater that falls onto green roofs is absorbed or evaporated compared to traditional roofs.

